

CLAIMS

What is claimed is:

- 5           1.       In combination with at least two insulated concrete forms comprising first and second substantially opposing panels and a plurality of ties interconnecting the first panel and the second panel, a joining clip comprising a positive connection between immediately adjacent ties of at least two contiguous insulated concrete forms.
- 10           2.       The combination of claim 1 wherein the joining clip provides a horizontal connection between horizontally adjacent insulated concrete forms.
3.       The combination of claim 1 wherein the joining clip provides a vertical connection between vertically adjacent insulated concrete forms.
- 15           4.       The combination of claim 1 wherein said ties comprise an interconnecting member to which the joining clip may be removably fastened in both a vertical and horizontal orientation.
5.       The combination of claim 4 wherein the ties comprise wire ties.
- 20           6.       The combination of claim 1 wherein the joining clip comprises a metal wire bent in a U-shape forming two parallel legs with a first open end and a second closed end, with a least one of the first open end and second closed end formed in an acute angle for engaging about a portion of a tie.
- 25           7.       The combination of claim 6 wherein both the first open end and second closed end are formed in an acute angle for engaging about portions of immediately adjacent ties.

8. The combination of claim 1 wherein the joining clip is formed of mild steel or a metal alloy.

9. The combination of claim 1 wherein said joining clip comprises at least one material  
5 selected from the group consisting of a metal strap, metal wire and plastic strap.

10. The combination of claim 9 wherein the joining clip comprises a circular, rectangular or irregular cross-section.

10 11. The combination of claim 1 wherein the joining clip at least partially engages about a portion of the immediately adjacent ties.

12. The combination of claim 1 wherein the joining clip has an elongated structure with a first end and a second end, each of the first end and second end being formed to define an acute angle  
15 for engaging about at least a portion of the immediately adjacent ties.

13. The combination of claim 7 wherein the joining clip legs and the ties to which the joining clip is attached define a bounded area for receiving and restraining a reinforcing rod.

20 14. A joining clip adapted for joining together two or more insulated concrete forms with first and second substantially opposing panels and a plurality of ties interconnecting the first panel and the second panel, the joining clip comprising a U-shaped bent wire with substantially equal length and parallel legs and a first open end and second closed end, the first open end being bent to form a first acute angle for engaging a portion of a tie, and the second closed end being bent to define at least a  
25 portion thereof forming a second acute angle for engaging a portion of a tie, wherein the length of that portion of the joining clip between the first acute angle and the second acute angle is approximately equal to a distance between coplanar ties in immediately adjacent vertically arrayed insulated concrete forms or between immediately adjacent ties in horizontally arrayed insulated concrete forms.

15. A method of fastening insulated concrete forms one to another comprising the steps of:  
providing a U-shaped joining clip with two approximately parallel legs and a first open  
end and second closed end, the first open end and second closed end being formed to define an acute  
5 angle;

positioning at least a first and second insulated concrete form with ties immediately  
adjacent one to another in either a horizontal or vertical configuration;

securing one end of the joining clip to a first insulated concrete form by engaging the  
portion thereof defining an acute angle about a portion of a tie; and

10 securing the remaining end of the joining clip to the second insulated concrete form by  
engaging the portions thereof defining an acute angle about a portion of an immediately adjacent tie of  
the second insulated concrete form.

16. The method of claim 15 wherein said securing of forms further comprises secure  
15 containment of poured concrete between the at least two insulated panels without seepage of concrete.

17. The method of claim 16 wherein at least three insulated concrete forms are provided  
arrayed in both a horizontal and vertical configuration, the method further comprising joining the at least  
three forms in both a horizontal and vertical orientation.